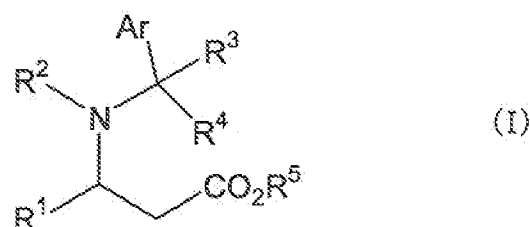


AMENDMENTS TO CLAIMS:

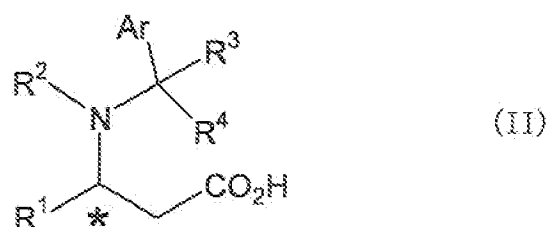
1. (Currently Amended) A process for preparing an optically active β -amino acid and an optically active β -amino acid ester or N-substituted 2-homopipericolic acid and an optically active N-substituted 2-homopipericolic acid ester which comprises

selectively hydrolyzing an enantiomer of racemic mixture of an N-substituted β -amino acid alkyl ester or an N-substituted 2-homopipericolic acid ester represented by the formula (I):

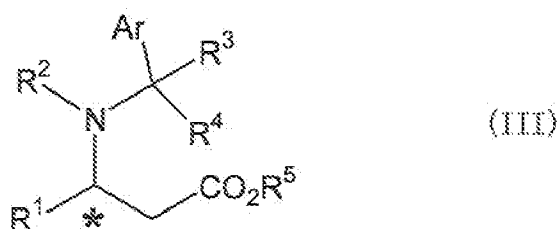


wherein Ar represents a substituted or unsubstituted aryl group, R^1 represents a substituted or unsubstituted alkyl group, alkenyl group, a substituted or unsubstituted aralkyl group or a substituted or unsubstituted aryl group, R^2 represents a hydrogen atom, R^3 and R^4 each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group or a substituted or unsubstituted aryl group, R^5 represents a substituted or unsubstituted alkyl group, also, R^1 and R^2 may be bonded to form a ring,

in the presence of a hydrolase capable of catalyzing the hydrolysis of said enantiomer to form an optically active ((R) or (S))-N-substituted- β -amino acid or an optically active ((R) or (S))-N-substituted-2-homopipericolic acid represented by the formula (II):



wherein Ar, R¹, R², R³ and R⁴ have the same meanings as defined above, and simultaneously to obtain an unreacted optically active ((S) or (R))-N-substituted-β-amino acid alkyl ester or an unreacted optically active ((S) or (R))-N-substituted-2-homopiecolic acid ester represented by the formula (III):

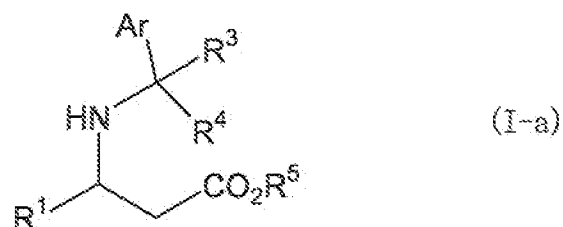


wherein Ar, R¹, R², R³, R⁴ and R⁵ have the same meanings as defined above, provided that the ester of formula (III) has a reverse steric absolute configuration to that of the compound represented by the formula (II).

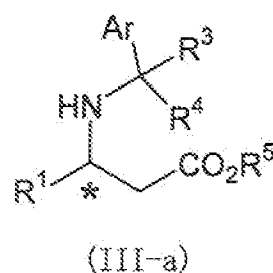
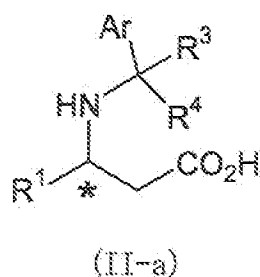
2. (Original) The preparation process according to Claim 1, wherein the hydrolase is a protease, an esterase or a lipase.
3. (Original) The preparation process according to Claim 1 or 2, wherein the hydrolase is a lipase originated from *Candida antarctica*.
4. (Original) The preparation process according to Claim 1, wherein the hydrolysis is carried out in an aqueous solvent, in a buffer solvent, in a 2-phase solvent of an organic solvent and water, or in a 2-phase solvent of an organic solvent and a buffer.

5. (Original) The preparation process according to Claim 4, wherein the organic solvent is an aliphatic hydrocarbon, an aromatic hydrocarbon or an ether, or a mixed solvent thereof.

6. (Original) The preparation process according to Claim 1, wherein the compound represented by the formula (I) is a N-substituted- β -amino acid alkyl ester represented by the following formula (I-a):

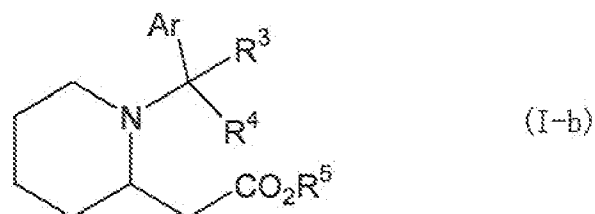


wherein Ar, R¹, R², R³, R⁴ and R⁵ have the same meanings as defined above, and the compounds represented by the formula (II) and the formula (III) are an optically active ((R) or (S))-N-substituted- β -amino acid and an optically active ((S) or (R))-N-substituted- β -amino acid alkyl ester represented by the following formulae (II-a) and (III-a):

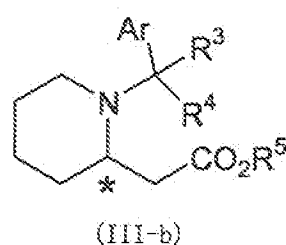
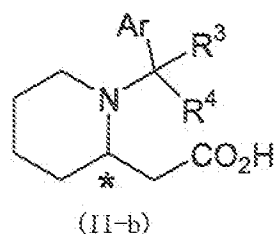


wherein Ar, R¹, R³, R⁴ and R⁵ have the same meanings as defined above.

7. (Original) The preparation process according to Claim 1, wherein the compound represented by the formula (I) is an N-substituted-2-homopipericolic acid ester represented by the following formula (I-b):

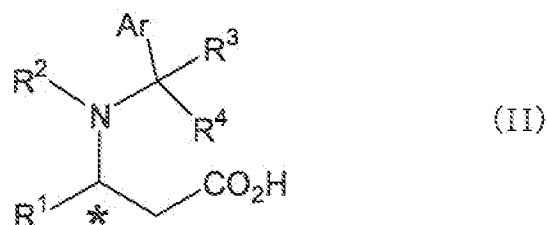


wherein Ar, R³, R⁴ and R⁵ have the same meanings as defined above, and the compounds represented by the formula (II) and the formula (III) are an optically active ((R) or (S))-N-substituted-2-homopiecolic acid and an optically active ((S) or (R))-N-substituted-2-homopiecolic acid ester represented by the following formulae (II-b) and (III-b):

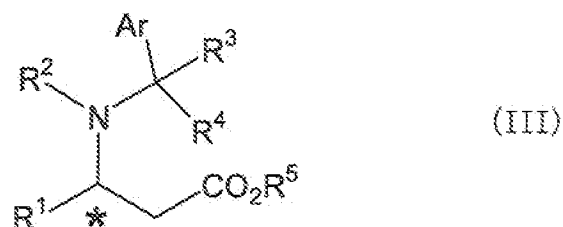


wherein Ar, R³, R⁴ and R⁵ have the same meanings as defined above.

8. (Currently Amended) The preparation process according to Claim 1, wherein each of the optically active ((R) or (S))-N-substituted-β-amino acid or the optically active ((R) or (S))-N-substituted-2-homopiecolic acid represented by the formula (II):

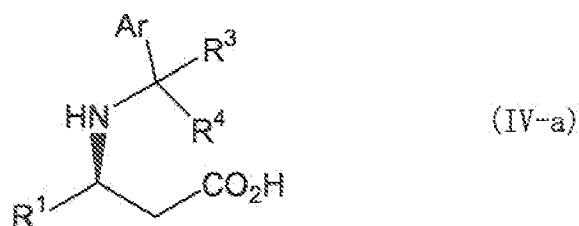


wherein Ar, R¹, R², R³ and R⁴ have the same meanings as defined above, and the unreacted optically active ((S) or (R))-N-substituted-β-amino acid alkyl ester or the unreacted optically active ((S) or (R))-N-substituted-2-homopipericolic acid ester represented by the formula (III):

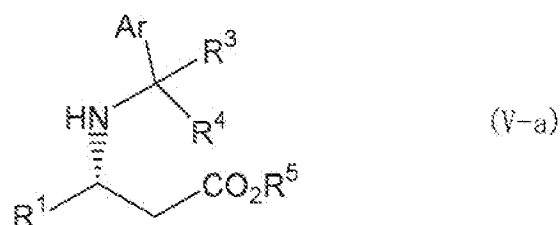


wherein Ar, R¹, R², R³, R⁴ and R⁵ have the same meanings as defined above, provided that the ester of formula (III) has a reverse steric absolute configuration to that of the compound represented by the formula (II), formed by hydrolysis reaction, is isolated from the mixture thereof.

9. (Original) The preparation process according to Claim 7, wherein the optically active ((R) or (S))-N-substituted-β-amino acid represented by the formula (II-a) is optically active N-substituted-β-amino acid represented by the formula (IV-a):

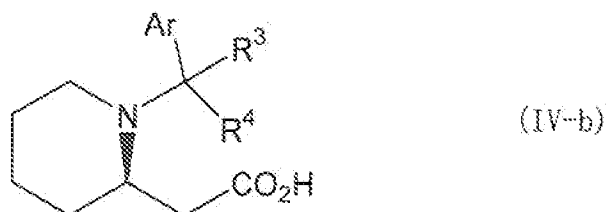


wherein Ar, R³ and R⁴ have the same meanings as defined above, and the unreacted optically active ((S) or (R))-N-substituted-2-β-amino acid ester is an optically active N-substituted-β-amino acid ester represented by the formula (V-a):

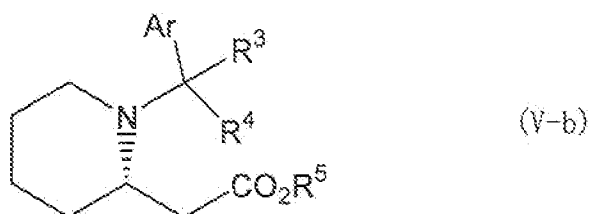


wherein Ar, R³, R⁴ and R⁵ have the same meanings as defined above.

10. (Original) The preparation process according to Claim 7, wherein the optically active ((R) or (S))-N-substituted-2-homopipерcolic acid represented by the formula (II-b) is an optically active (R)-N-substituted-2-homopipерcolic acid represented by the formula (IV-b):



wherein Ar, R³ and R⁴ have the same meanings as defined above, and the unreacted optically active ((S) or (R))-N-substituted-2-homopipерcolic acid ester represented by the formula (III-b) is an optically active (S)-N-substituted-2-homopipерcolic acid ester represented by the formula (V-b):



wherein Ar, R³, R⁴ and R⁵ have the same meanings as defined above.

11. (Previously Presented) The preparation process according to Claim 2, wherein the hydrolase is a lipase originated from *Candida antarctica*.

12. (New) The preparation process according to Claim 1, wherein the hydrolase is a lipase.

13. (New) The preparation process according to Claim 2, wherein the hydrolase is a lipase.

14. (New) The preparation process according to Claim 1, wherein the hydrolase is a lipase originated from *Pseudomonas*.

15. (New) The preparation process according to Claim 2, wherein the hydrolase is a lipase originated from *Pseudomonas*.

16. (New) The preparation process according to claim 12, wherein the hydrolase is a lipase originated from *Candida antarctica*.

17. (New) The preparation process according to claim 13, wherein the hydrolase is a lipase originated from *Candida antarctica*.

18. (New) The preparation process according to claim 12, wherein the hydrolase is a lipase originated from *Pseudomonas*.

19. (New) The preparation process according to claim 13, wherein the hydrolase is a lipase originated from *Pseudomonas*.